Miscellaneous.

Moreover the esophagus is not formed as an invagination from the anterior extremity of the intestinal fold, but as a pad-like epithelial growth along the lower border of the dorsal fold in the branchial space, which, being afterwards constricted off at its base by the surrounding connective tissue, becomes a solid cellular cord running in the depths of the fold. The starting-point of the whole new formation is certainly the spot at the end of the branchial space where the entrance to the stomach is closed by the thickening of the lips surrounding it.—Zool. Anzeiger, January 13, 1890, p. 11.

The Amphipoda of the Boulonnais.—I. Unciola crenatipalmata, Spence Bate. By M. JULES BONNIER.

In this paper, which is illustrated by two plates, the author gives a detailed description of the Amphipod Crustacean first described by Gosse as identical with the Unciola irrorata of Say, and afterwards recognized as distinct by Spence Bate and described by him under the name of Dryope crenatipalmata. The author discusses at some length the characters presented by the species, and gives the following series of tables to serve for its identification :---

I. Амритрода.

	HYPERINA.							
Pleon well de veloped.	Six pairs of pleopods.	Maxilliped well deve	Sixth pleopod with an endopodite Sixth pleopod with no endopodite Fifth and sixth pleo- pods without endo- podites	GAMMARINA. COROPHINA.				
	Five pairs of pl	DULICHINA.						
Pleon rudimentary L2EMODIPODA.								
II. Corophina.								
Mandibular palpus wanting Oremesting								
	Coxopod pereio	$\begin{bmatrix} J \\ lites of the \\ pods broadly \\ \end{bmatrix}$	aints 2 and 2 of the	Stenothoidæ.				
Mandibular pal two or three j	pus of develo joints.	ped. [ar		MICROPROTOPIDÆ.				
	Coxopoo not w	lites of the per-	eiopods narrow and	Corophildæ,				

Miscellaneous.

III. COROPHILD.E.

Mandibular p	alpus of 2 joints			. Corophium.				
2		dilated; mandi- bular palpus	jelongate	. Unciola.				
hiide	free ; basipodite	with joint 3	nodiform	. Siphonæcet				
O O O O O O O O O O O O O O O O O O O	ts;	narrow ; first pereiopod	$\left\{ \begin{array}{ll} \text{less} & \text{develope} \\ \text{than the secon} \end{array} \right\}$	d. <i>Erichthoni</i> i				
t of pleon			more_develope than the secon					
	Chelura.							
IV. UNCIOLA.								
Joints 2, 3, and 4 of the infe-	narrow ; third joint of anten- nule of ac ge	ngthofsecond; argin of pro- bdite of second ereiopod sim e third length (of s second ;] cessory fla- ellum of anten-	0	ž				
rior antennæ	broad ; infero- (produced into a point							
	of fourth joint with the mar-	U. laticornis.						

The genus Unciola was established by Say in 1818, and adopted by Milne-Edwards and other authors. Synonyms are Dryope, Sp. Bate, Glauconome, p. Kröyer, and Cyrtophium, p. Danielssen,

The species referred to the genus, as seen in the above table, are :---1. Unciola crenatipalmata, Sp. Bate (=irrorata, Gosse, nec Say), of the seas of western Europe; 2. U. irrorata, Say (= Glauconome leucopis, Kröyer, and Cyrthophium Darwinii, Danielssen), from the Arctie seas and those of Britain and Norway; 3. U. planipes, Norman (=leucopes, Sp. Bate and Westw., Glauconome Kroeyeri and Steenstrupii, Boeck), from the shores of Greenland, Norway, England, and France; 4. U. petalocera, G. O. Sars, from the Arctie Ocean; 5. U. crassipes, Hansen, from the west coast of Greenland; aud 6. U. laticornis, Hansen, from the same region.-Bull. Scient. tome xx. 1889, pp. 229-254.

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